**NETWORKING & SYSTEM ADMINISTRATION LAB**

**Name: Vishnu Mohan**

**Roll No: 51**

**Batch:RMCA B**

**Date: 06/06/2022**

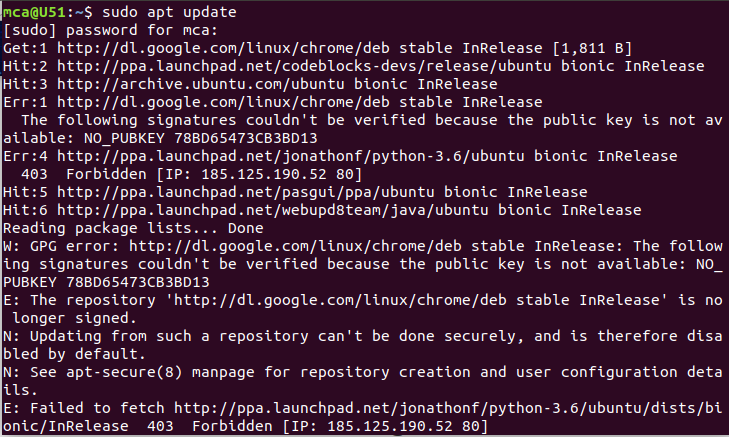
**Experiment No.: 9**

**Aim**

Introduction to Hypervisors and VMs: KVM installation and commands

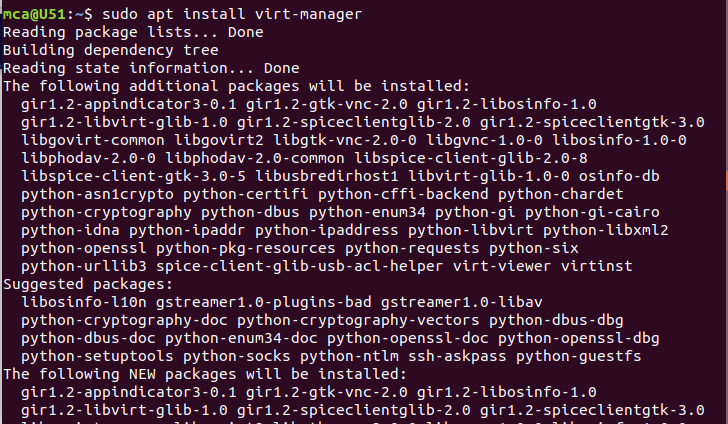
**Procedure**

**Step 1:** Update the repositories



**Step 2:** Install essential KVM packages

 Install virt-manager, a tool for creating and managing VMs

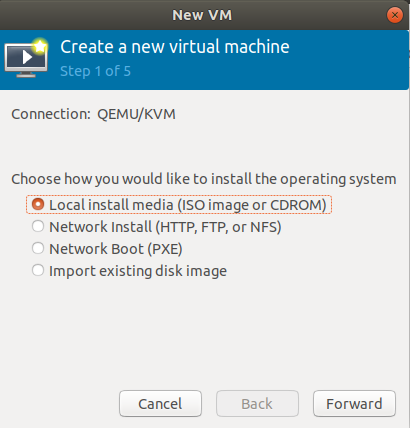


Step 3: Start virt-manager with

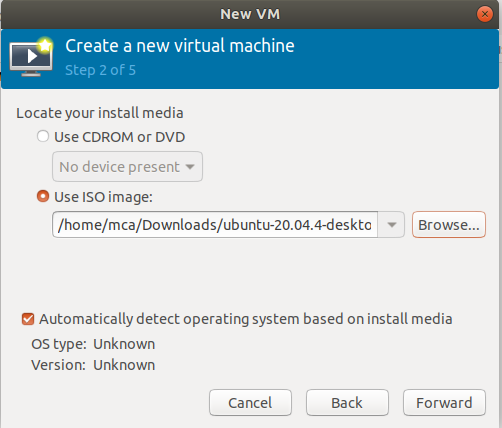


Step 4: In the first window, click the computer icon in the upper-left corner,

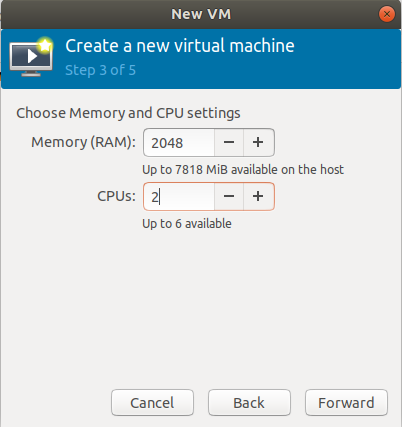
In the dialogue box that opens, select the option to install the VM using an ISO image. Then click **Forward**.



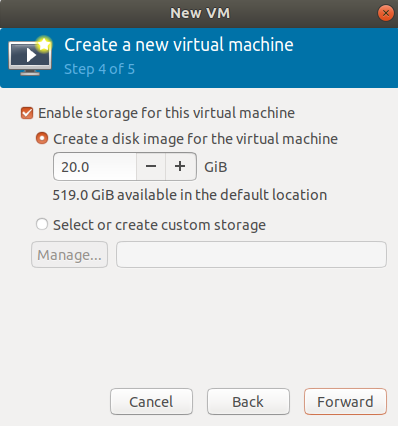
Step 5: Choose ISO,click Forward

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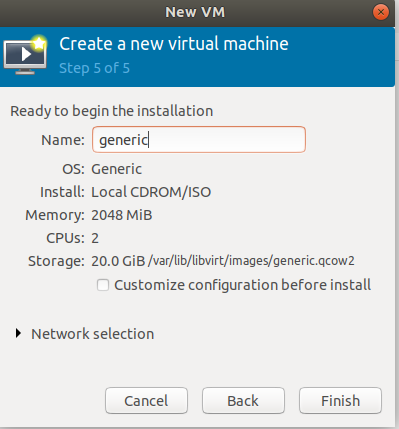
Step 6: Enter the amount of RAM and the number of CPUs you wish to allocate to the VM and proceed to the next step.

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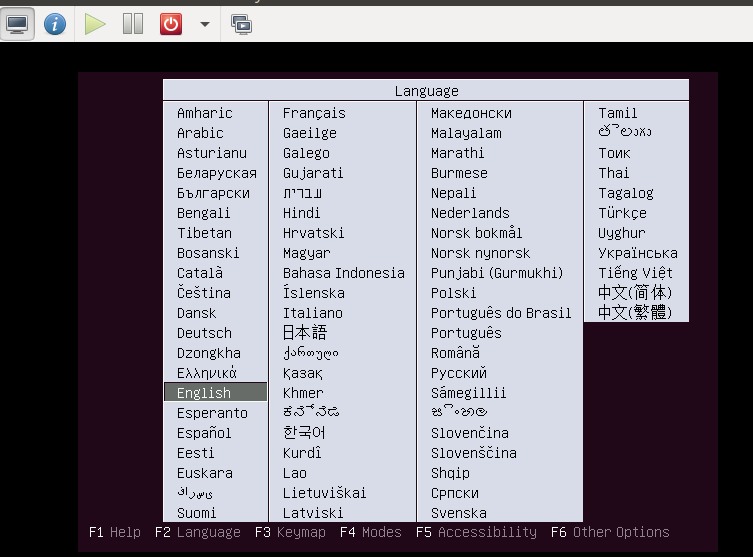
Step 7:  Allocate hard disk space to the VM. Click **Forward** to go to the last step.



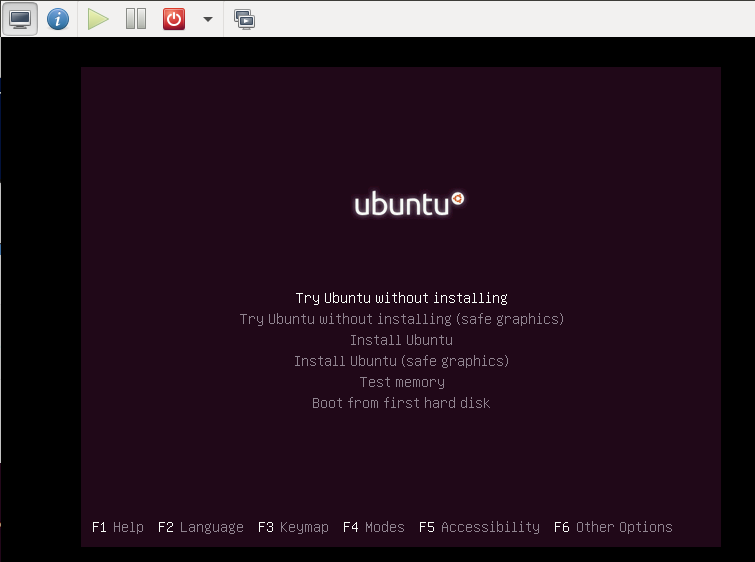
Step 8:  Specify the name for your VM and click **Finish** to complete the setup.

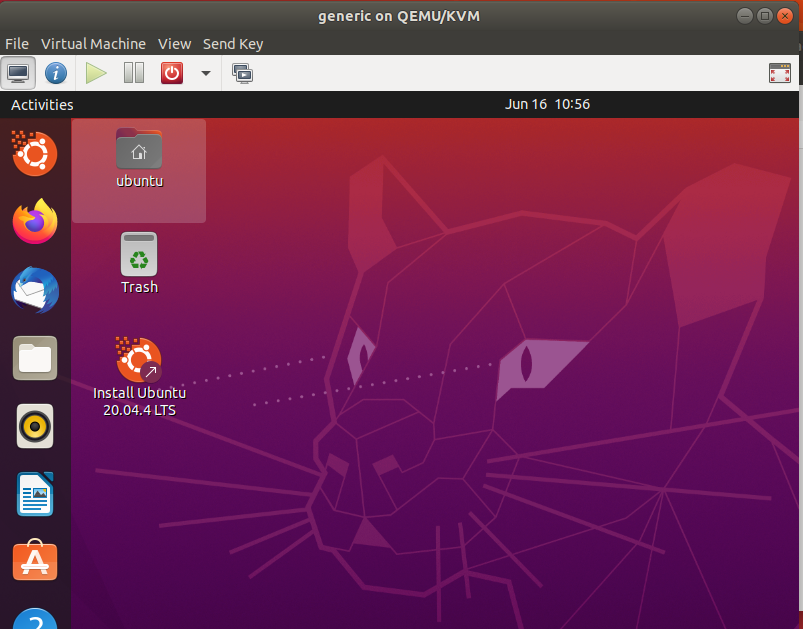
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Step 9: Select language

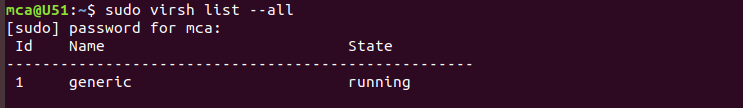


Step 10: The VM starts automatically, prompting you to start installing the OS that’s on the ISO file.

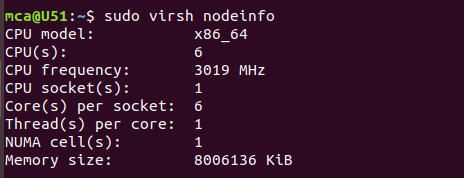


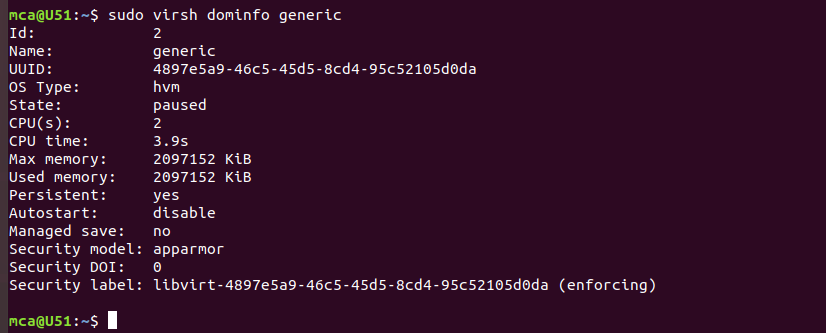


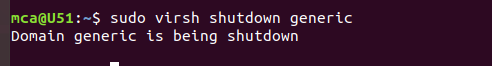
Step 11: Check the state of KVM

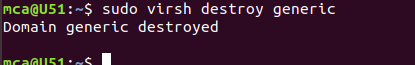


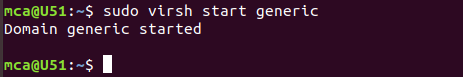
**Some Basic KVM commands:**

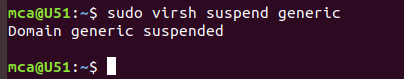
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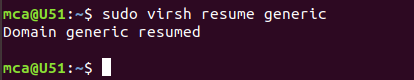
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